



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M. Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date	October 16, 2019	EPA Reg. No./File Symbol	5813-120	Page 1 of 20
Applicant's/Registrant's Name & Address	The Clorox Company c/o PS&RC; P.O. Box 493 Pleasanton, CA 94566-0803	Product	CRB	

Ingredient Sodium hypochlorite (014703)

Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
830.1550 (61-1)	Product Identity and Composition	50632201	The Clorox Company (8/15/2018)	OWN	
830.1600 (61-2a)	Description of Materials Used to Produce the Product	50632201	The Clorox Company (8/15/2018)	OWN	
830.1620 (61-2b)	Description of Production Process	50632202	The Clorox Company (8/15/2018)	OWN	
830.1650 (61-2b)	Description of Formulation Process	50632201	The Clorox Company (8/15/2018)	OWN	
830.1670 (61-3)	Discussion of Formation of Impurities	50632201	The Clorox Company (8/15/2018)	OWN	
830.1700 (62-1)	Preliminary Analysis	50632202	The Clorox Company (8/15/2018)	OWN	
830.1750 (62-2)	Certified Limits	50632201	The Clorox Company (8/15/2018)	OWN	
830.1800 (62-3)	Enforcement Analytical Method	50545701	Clorox Professional Products Company (4/20/2018)	OWN	
830.1900 [64-1]	Submittal of Samples	50632202	The Clorox Company (8/15/2018)	OWN	
830.6302 (63-2)	Color	50632201	The Clorox Company (8/15/2018)	OWN	
830.6303 (63-3)	Physical state	50632201	The Clorox p (8/15/2018)	OWN	
830.6304 (63-4)	Odor	50632201	The Clorox Company (8/15/2018)	OWN	
830.6313 (63-13)	Stability to Normal and Elevated Temperature, Metals, and Metal Ions	50632202	The Clorox Company (8/15/2018)	OWN	
830.6314 (63-14)	Oxidation /Reduction: Chemical Incompatibility	43232901	The Clorox Company (5/17/1994)	OWN	

Signature <i>J. Evelyn Lawson</i>	Name and Title J. Evelyn Lawson Federal Registration Specialist	Date 10/16/19
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Ingredient Sodium hypochlorite (014703)

Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
830.6315 (63-15)	Flammability	50632202	The Clorox Company (8/15/2018)	OWN	
830.6316 (63-16)	Explodability	50632202	The Clorox Company (8/15/2018)	OWN	
830.6317 (63-17)	Storage Stability	50914801	The Clorox Company (8/12/2019)	OWN	
830.6319 (63-19)	Miscibility	50632202	The Clorox Company (8/15/2018)	OWN	
830.6320 (63-20)	Corrosion Characteristics	50914801	The Clorox Company (8/12/2019)	OWN	
830.6321 (63-21)	Dielectric Breakdown Voltage	50632202	The Clorox Company (8/15/2018)	OWN	
830.7000 (63-12)	pH	50632201	The Clorox Company (8/15/2018)	OWN	
830.7050 [None]	UV/Visible Absorption	50632202	The Clorox Company (8/15/2018)	OWN	
830.7100(63-18)	Viscosity	50632201	The Clorox Company (8/15/2018)	OWN	
830.7200 (63-5)	Melting Point/ Melting Range	50632202	The Clorox Company (8/15/2018)	OWN	
830.7220 (63-6)	Boiling Point/Boiling Range	50632202	The Clorox Company (8/15/2018)	OWN	
830.7300 (63-7)	Density/ Relative Density/Bulk Density	50632201	The Clorox Company (8/15/2018)	OWN	
830.7370 (63-10)	Dissociation Constants in Water	50632202	The Clorox Company (8/15/2018)	OWN	
830.7520 [None]	Particle Size, Fiber Length, and Diameter Distribution	50632202	The Clorox Company (8/15/2018)	OWN	

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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
830.7550 (63-11)	Partition Coefficient (<i>n</i> -Octanol/Water), Shake Flask Method	50632202	The Clorox Company (8/15/2018)	OWN	
830.7560 (63-11)	Partition Coefficient (<i>n</i> -Octanol/Water), Generator Column Method	50632202	The Clorox Company (8/15/2018)	OWN	
830.7570 (63-11)	Partition Coefficient (<i>n</i> -Octanol/Water), Estimation By Liquid Chromatography	50632202	The Clorox Company (8/15/2018)	OWN	
830.7840 (63-8)	Water Solubility: Column Elution Method; Shake Flask Method	50632202	The Clorox Company (8/15/2018)	OWN	
830.7860 (63-8)	Water Solubility (Generator Column Method)	50632202	The Clorox Company (8/15/2018)	OWN	
830.7950 (63-9)	Vapor Pressure	50632202	The Clorox Company (8/15/2018)	OWN	
870.1100 (81-1)	Acute oral toxicity, rat	48216901	The Clorox Company (9/7/2010)	OWN	
870.1200 (81-2)	Acute dermal toxicity, rat	48216902	The Clorox Company (9/7/2010)	OWN	
870.1300 (81-3)	Acute inhalation toxicity, rat	48017502	The Clorox Company (3/8/2010)	OWN	
870.2400 (81-4)	Primary eye irritation, rabbit	48216903	The Clorox Company (9/7/2010)	OWN	
870.2500 (81-5)	Primary dermal irritation, rabbit	48216904	The Clorox Company (9/7/2010)	OWN	
870.2600 (81-6)	Dermal Sensitization	48017503	The Clorox Company (3/8/2010)	OWN	
93-8	Disinfectant on discolored pepper seeds	00007515	The Clorox Company (11/10/1965)	OWN	

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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
93-8	Bean seed disinfectant (WARF Institute Incorporated)	00007516	The Clorox Company (11/10/1965)	OWN	
93-8	Seed Treatments on Russet Burbank Potatoes	00007517	The Clorox Company (5/15/1973)	OWN	
93-8	Control of Verticillium wilt with seed piece treatment	00007518	The Clorox Company (5/15/1973)	OWN	
93-8	Products for use as seed treatment	00007510	The Clorox Company (8/16/1977)	OWN	
91-2	Johnson, Megan L., Berger, Lee, Philips, Lara, Speare, Richard, Fungicidal effects of chemical disinfectants, UV light, desiccation and heat on the amphibian chytrid <i>Batrachochytrium dendrobatidis</i> , Diseases of Aquatic Organisms, Vol. 57: 255-260, 2003	47433401	The Clorox Company (5/30/2008)	PL	Dilution
91-2	The Effectiveness of Sodium Hypochlorite Against <i>Phytophthora ramorum</i> ; 1:1000	47608501	Clorox Professional Products Company (11/26/2008)	OWN	Dilution
	Varicella Zoster Virus [ATCC VR-1367]; (1/2 cup product + 1 gallon water); 5%FBS. 4 min 30 sec; 100828-404; dilution for 5813-100; CoPA is being submitted	48484835	The Clorox Company (5/18/2011)	OWN	Use Dilution
	<i>C. difficile</i> has been found on relevant surfaces				
	Persistence of an Endemic (Toxigenic) Isolate of <i>Clostridium difficile</i> in the Environment of a General Medicine Ward, Clin Infect Dis 30:952-4 (Cohen SH, Tang YJ, Rahmani D and Silva Jr J., 2000)		Clorox Professional Products Company (9/15/2009)	PL	

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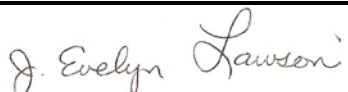
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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
	Prevalence of <i>Clostridium difficile</i> environmental contamination and strain variability in multiple health care facilities, Am J Infect Control 35:315-8 (Dubberke E R, Reske KA, Noble-Wang J, Thompson A, Killgore G, Mayfield J, Camins B, Woeltje K, McDonald JR, McDonald LC, and Fraser VJ., 2007)		Clorox Professional Products Company (9/15/2009)	PL	
	<i>C. difficile</i> spores can survive on surfaces				
	Simulated-use testing of bedpan and urinal washer disinfectors Evaluation of <i>Clostridium difficile</i> spore survival and cleaning efficacy; Am J Infect Control 36:5-11 (Alfa MJ, Olson N, and Buelow-Smith N., 2008)		Clorox Professional Products Company (9/15/2009)	PL	
	Isolation of <i>Clostridium difficile</i> from the environment and contacts of Patients with Antibiotic-Associated Colitis. J Infect Dis 143:42-50 (Kim KH, Fekety R, Batts DH, Brown D, Cudmore M, Silva Jr. J, and Waters D., 1981)		Clorox Professional Products Company (9/15/2009)	PL	
	<i>C. difficile</i> can transfer from surfaces				
	Nosocomial acquisition of <i>Clostridium difficile</i> infection, N Engl J Med 320:204-10 (McFarland LV, Mulligan ME, Kwok RY, and Stamm WE., 1989)		Clorox Professional Products Company (9/15/2009)	PL	

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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
	Asymptomatic Carriers Are a Potential Source for Transmission of Epidemic and Nonepidemic <i>Clostridium difficile</i> Strains among Long-Term Care Facility Residents, Clin Infect Dis 45:992-98 (Riggs MM, Sethi AK, Zabarsky TF, Eckstein EC, and Jump RL., 2007)		Clorox Professional Products Company (9/15/2009)	PL	
	Active Ingredient demonstrated efficacious against pathogen				
	Activity of selected oxidizing microbicides against the spores of <i>Clostridium difficile</i> : Relevance to Environmental Control; American Am J Infect Control 33:320-5 (Perez, J, Springthorpe, V. S., and Sattar, S; A., 2005)		Clorox Professional Products Company (9/15/2009)	PL	
	Active Ingredient has been demonstrated to reduce disease rates				
	Environmental Control to Reduce Transmission of <i>C. diff.</i> Clin Infect Dis 31:995-1000 (Mayfield JL, Leet T, Miller J, and Mundy L.M., 2000		Clorox Professional Products Company (9/15/2009)	PL	
	Use of hypochlorite solution to decrease rates of <i>Clostridium Difficile</i> -associated diarrhea, Infect Control Hosp Epidemiol 28:205-7 (McMullen KM, Zack J, Coopersmith CM, Kollef M, Dubberke E, and Warren DK. 2007)		Clorox Professional Products Company (9/15/2009)	PL	

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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
	Active ingredient has been demonstrated to reduce disease rates (additional studies)				
	Acquisition of <i>Clostridium difficile</i> from the hospital environment; American Journal of Epidemiology (Kaatz, G. W., S. D. Gitlin, D. R. Schaberg, K. H. Wilson, C; A. Kauffman, S. M. Seo, and R. Fekety. 127:1289-94, 1998)		Clorox Professional Products Company (9/15/2009)	PL	
	Comparison of the effect of detergent versus hypochlorite cleaning on environmental contamination and incidence of <i>Clostridium difficile</i> infection. Journal of Hospital Infection. (Wilcox, M. H., W. N. Fawley, N. Wigglesworth, P. Parnell, P. Verity, and J. Freeman. 54:109-14, 2003)		Clorox Professional Products Company (9/15/2009)	PL	
	Contrasting Literature				
	Isolation of various genotypes of <i>Clostridium Difficile</i> from patients and the environment in an oncology ward. Clin Infect Dis 24:889-9 (Cohen SH, Tang YJ, Muenzer J, Gumerlock PH, and Silva Jr. J., 1997)		Clorox Professional Products Company (9/15/2009)	PL	
	Proposed Exposure Reduction Claim: "Reduces exposure to MRSA [from treated surfaces]"; Summary of Supporting Evidence and submission of the following studies	47423501	Clorox Professional Products Company (5/14/2008)	OWN	
	Presence on Relevant surfaces				

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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
	Bures, et al. 2000. Computer keyboards and faucet handles as reservoirs of nosocomial pathogens in the intensive care unit; Am J Infect Control 28:465-71.		Clorox Professional Products Company (5/14/2008)	PL	
	Oie, S., I. Hosokawa, et al. 2002. Contamination of room door handles by methicillin-sensitive/methicillin-resistant <i>Staphylococcus aureus</i> . J Hosp Infect 51:140-3		Clorox Professional Products Company (5/14/2008)	PL	
	Survival on surfaces				
	Huang, R., et al. 2006. Methicillin-Resistant <i>Staphylococcus aureus</i> survival on hospital fomites. Infection Control and Hospital Epidemiology 27(11):1267-1269		Clorox Professional Products Company (5/14/2008)	PL	
	Wagenvoort, et al. 2000. Better environmental survival of outbreak vs. sporadic MRSA isolates. J Hosp Infect 45:231-4		Clorox Professional Products Company (5/14/2008)	PL	
	Transfer from surfaces				
	Boyce, J. M., et al. 1997. Environmental contamination due to methicillin-resistant <i>Staphylococcus aureus</i> : possible infection control implications. Infection Control and Hospital Epidemiology 18(9):622-627		Clorox Professional Products Company (5/14/2008)	PL	
	Bhalla, A., et al. 2004; Acquisition of nosocomial pathogens on hands after contact with environmental surfaces near hospitalized patients. Infect Control Hosp Epidemiol 25:164-7		Clorox Professional Products Company (5/14/2008)	PL	

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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	<i>Mycobacterium bovis</i> (BCG) -or- TB; (1 part product + 9 parts water for a 1:10 dilution). Titration for NaOCl: 5890ppm, 5950 ppm, 5950 ppm; 10 min; A14116; dilution for 5813-100	49076701	The Clorox Company (3/8/2013)	OWN	Use Dilution
810.2200 (g) (1) (i)	<i>Mycobacterium bovis</i> BCG -or- TB [Organon Teknika Corp.]; 9 min; hard surface disinfection; 1+21 dilution; 5% FBS; 5.94% & 5.947% NaOCl; F2014.0195; Batches 14AR04 & 14AR05; 320-582; label dilution unchanged; dilution for 5813-100	49602206	The Clorox Company (4/20/2015)	OWN	UD; ATP
810.2200	<i>Trichophyton interdigitale</i> (tested as <i>Trichophyton mentagrophytes</i>) [ATCC 9533]; hard surface disinfection; 1+48 dilution; 5% FBS; 5.94% & 5.947% NaOCl; F2014.0195; A18071; dilution for 5813-100	49602220	The Clorox Company (4/20/2015)	OWN	Use Dilution
810.2200	<i>Trichophyton Interdigitale</i> [tested as <i>Trichophyton mentagrophytes</i>] [Athlete's Foot Fungus] [ATCC 9533]; 4 min 30 sec; F2009.0092; 5% FBS; 1+42.7; A18448; dilution for 5813-100	49642005	The Clorox Company (6/29/2015)	OWN	Use Dilution
810.2200	<i>Pseudomonas aeruginosa</i> [ATCC 15442]; 4 min 30 sec; F2014.0195; 5% FBS; 1+42.7; A18469	49642010	The Clorox Company (6/29/2015)	OWN	Use Dilution
810.2200	<i>Bordetella pertussis</i> [ATCC 12743]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20000; dilution for 5813-111/5813-114	49913507	The Clorox Company (6/9/2016)	OWN	Use Dilution
Signature <i>J. Evelyn Lawson</i>			Name and Title J. Evelyn Lawson Federal Registration Specialist		Date 10/16/19



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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	<i>Campylobacter jejuni</i> [ATCC 29428]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A19996; dilution for 5813-111/5813-114	49913508	The Clorox Company (6/9/2016)	OWN	Use Dilution
810.2200	<i>Listeria monocytogenes</i> [ATCC 19111]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20001; dilution for 5813-111/5813-114	49913512	The Clorox Company (6/9/2016)	OWN	Use Dilution
8710.2200	SARS-associated Coronavirus [CDC strain 200300592]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; 320-607; dilution for 5813-111/5813-114	49913520	The Clorox Company (6/9/2016)	OWN	Use Dilution
810.2200	<i>Vibrio cholerae</i> [ATCC 11623]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20554; dilution for 5813-111/5813-114	49913521	The Clorox Company (6/9/2016)	OWN	Use Dilution
810.2200	<i>Yersinia enterocolitica</i> [ATCC 23715]; 4 min 30 sec; 1+32; 5%FBS; FIS2015.0210, FIS2015.0315; A20214; dilution for 5813-111/5813-114	49913522	The Clorox Company (6/9/2016)	OWN	Use Dilution
810.2200	Herpes Simplex Virus Type 1 [ATCC VR-733] [Strain F(1)]; 4 min 30 sec; 1+32; 5%FBS; FIS2015.0210, FIS2015.0315; A20237; dilution for 5813-111/5813-114	49913525	The Clorox Company (6/9/2016)	OWN	Use Dilution
	Final Ballast Responder Efficacy Test Report to California State Lands Commission; Golden Bear Facility, Vallejo, CA	49953406	The Clorox Company (6/24/2016)	OWN	
810.2200	Multi-drug resistant <i>Acinetobacter baumannii</i> [ATCC 19606]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20564; dilution for 5813-111/5813-114	49968104	The Clorox Company (8/5/2016)	OWN	Use Dilution

Signature	J. Evelyn Lawson	Name and Title	J. Evelyn Lawson Federal Registration Specialist	Date	10/16/19
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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	<i>Shigella dysenteriae</i> [ATCC 11835]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20563; dilution for 5813-111/5813-114	49968105	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	<i>Streptococcus pneumoniae</i> [ATCC 6305]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20553; dilution for 5813-111/5813-114	49968106	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	Vancomycin-resistant <i>Enterococcus faecalis</i> (VRE) [ATCC 51575]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20552; dilution for 5813-111/5813-114	49968107	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	<i>Candida albicans</i> [ATCC 10231]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20562; dilution for 5813-111/5813-114	49968108	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	Adenovirus Type 2 [ATCC VR-846] [Strain Adenoid 6]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20604; dilution for 5813-111/5813-114	49968109	The Clorox Company (8/5/2016)	OWN	UD
810.2200	Coxsackievirus B3 Virus [ATCC VR-30] [Strain Nancy]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20205; dilution for 5813-111/5813-114	49968112	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200 (f) (1)	Enterovirus EV D-68 [ATCC VR-561]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; 320-607; dilution for 5813-111/5813-114	49968113	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	Herpes Simplex Virus Type 2 [ATCC VR-734] [Strain G]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A21018; dilution for 5813-111/5813-114	49968115	The Clorox Company (8/5/2016)	OWN	Use Dilution

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Ingredient Sodium hypochlorite (014703)

Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	Hepatitis A Virus [Strain HM-175]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20592; dilution for 5813-111/5813-114	49968116	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200 (f) (1)	Murine Norovirus [Strain MNV-1.CW1]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20575; dilution for 5813-111/5813-114	49968118	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	Respiratory Syncytial Virus (RSV) [ATCC VR-26] [Strain Long]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; A20999; dilution for 5813-111/5813-114	49968120	The Clorox Company (8/5/2016)	OWN	Use Dilution
810.2200	Ebola Virus [Zaire-Kikwit]; FIS2015.0210, FIS 2015.0315; 4 min 30 sec; 1+32; 5% FBS; GLP-15-001; dilution for 5813-111/5813-114	50289305	The Clorox Company (6/14/2017)	OWN	Use Dilution
810.2200	MERS (Middle Eastern Respiratory Syndrome)-Associated Coronavirus (MERS-CoV) [Strain EMC/2012]; 4 min 30 sec; 1+32; 5% FBS; FIS2015.0210, FIS2015.0315; 320-608; dilution for 5813-111/5813-114	50289306	The Clorox Company (6/14/2017)	OWN	Use Dilution
	CRB Efficacy discussion	50632203	The Clorox Company (8/15/2018)	OWN	
810.2100	<i>Clostridium difficile</i> spore form [ATCC 43598]; 4 min 30 sec; 3 part soil load; FIS2018.0136, FIS2018.0139; 1+7 (1:8) Batch 18DEJ02; A25664	50632204	The Clorox Company (8/15/2018)	OWN	
810.2100	<i>Clostridium difficile</i> spore form [ATCC 43598]; 4 min 30 sec; 3 part soil load; FIS2018.0136, FIS2018.0139; 1+7 (1:8); Batch 18DEJ03; A25669	50632205	The Clorox Company (8/15/2018)	OWN	

Signature <i>J. Evelyn Lawson</i>	Name and Title J. Evelyn Lawson Federal Registration Specialist	Date 10/16/19
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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2100	<i>Clostridium difficile</i> spore form [ATCC 43598]; 4 min 30 sec; 3 part soil load; FIS2018.0136, FIS2018.0139; 1+7 (1:8); Batch 18DEJ04; A25670	50632206	The Clorox Company (8/15/2018)	OWN	
810.2200	<i>Staphylococcus aureus</i> [ATCC 6538]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon (diluted to 1160 ppm); Batch 18DEJ03; A25341	50632207	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Staphylococcus aureus</i> [ATCC 6538]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; Batch 18DEJ02; A25338	50632208	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Staphylococcus aureus</i> [ATCC 6538]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; Batch 18DEJ04; A25342	50632209	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Salmonella enterica</i> [ATCC 10708]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25339	50632210	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Community associated methicillin-resistant <i>Staphylococcus aureus</i> (CA-MRSA) [NARSA NRS123 genotype USA400]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25325	50632211	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Enterobacter aerogenes</i> [ATCC 13048]; 6 min; 5% FBS; FIS2018.0136, FIS2018.0139 1/3 cup + 1 gallon; A25518	50632212	The Clorox Company (8/15/2018)	OWN	Use Dilution

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Ingredient Sodium hypochlorite (014703)

Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	Extended Spectrum Beta Lactamase (ESBL) producing <i>Escherichia coli</i> (ESBL producing <i>E.coli</i>) [ATCC BAA-196]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gal; A25556	50632213	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Escherichia coli</i> O157:H7 (<i>E.coli</i>) [ATCC 35150]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25320	50632214	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Methicillin resistant <i>Staphylococcus aureus</i> (MRSA) [ATCC 33591]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25304	50632215	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	<i>Aspergillus brasiliensis</i> [Mildew] [ATCC 16404]; 9 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25326	50632216	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	2009-H1N1 Influenza A Virus (Novel H1N1), [Strain A/Mexico/4108/2009, CDC #2009712192]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25324	50632217	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Avian Influenza A Virus (H3N2) (Avian Reassortant) [ATCC VR-2072], Strain A; Washington; 897/80 X A/Mallard/New York/6750/78; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25343	50632218	The Clorox Company (8/15/2018)	OWN	Use Dilution

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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	Avian Influenza A Virus (H7N9), Strain wildtype A/Anhui/1/2013, CDC # 2013759189 ; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25398	50632219	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Avian influenza [Type A] Virus (H5N1) [Strain VNH5N1-PR8/CDC-RG CDC #2006719965]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25370	50632220	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Canine Influenza Virus (H3N8); [Strain A/Ca/NY/105913/08]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25322	50632221	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Feline calicivirus (Surrogate for Norovirus) [ATCC VR-782] [Strain F-9]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25323	50632222	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Human coronavirus [A cause of the common cold] [ATCC VR-740 Strain 229-E]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25369	50632223	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Influenza A Virus; Strain A/Hong Kong/8/68; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25420	50632224	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200	Poliovirus [Type 1] [Chat strain, ATCC VR-1562]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon (diluted to 1163 ppm); A25397	50632225	The Clorox Company (8/15/2018)	OWN	Use Dilution

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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	Rhinovirus [Type 14] [(cold virus)] [ATCC VR-284] [Strain 1059]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25344	50632226	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200 (g)	Bovine Viral Diarrhea Virus (BVDV) (Surrogate for Human Hepatitis C Virus) [Strain NADL]; 5 min 30 sec; 5% serum; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-736	50632227	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200 (g)	Measles Virus [ATCC VR-24] [Strain Edmonston]; 5 min 30 sec; 5% serum; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-731	50632228	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200 (g)	Mumps Virus [Strain Jones]; 5 min 30 sec; 5% serum; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-732	50632229	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2200 (g)	Rotavirus [Strain SA-11] [ATCC VR-899; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-739	50632230	The Clorox Company (8/15/2018)	OWN	Use Dilution
810.2300	Salmonella enterica [serovar typhi] [ATCC 6539]; 5% FBS; FIS2018.0136, FIS2018.0139; 2 tsp + 1 gal; A25355	50632231	The Clorox Company (8/15/2018)	OWN	AOAC Avail. Cl
810.2300	Escherichia coli O157:H7 (E.coli) [ATCC 35150]; 5% FBS; FIS2018.0136, FIS2018.0139; 2 tsp + 1 gal; A25352	50632232	The Clorox Company (8/15/2018)	OWN	AOAC Avail. Cl.
810.2300	Listeria monocytogenes [ATCC 19117]; 5% FBS; FIS2018.0136, FIS2018.0139; 2 tsp + 1 gal; A25353	50632233	The Clorox Company (8/15/2018)	OWN	AOAC Avail. Cl

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Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2300	<i>Yersinia enterocolitica</i> [ATCC 23715]; 5% FBS; FIS2018.0136, FIS2018.0139; 2 tsp + 1 gal; A25354	50632234	The Clorox Company (8/15/2018)	OWN	AOAC Avail. Cl.
810.2300	<i>Klebsiella pneumoniae</i> [ATCC 4352]; 1 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon; A25330	50632235	The Clorox Company (8/15/2018)	OWN	Non-food cncnt
810.2300	<i>Staphylococcus aureus</i> [ATCC 6538]; 1 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon (30.23 mL + 974.5 mL); Batch 18DEJ02; A25333	50632236	The Clorox Company (8/15/2018)	OWN	Non-food cncnt
810.2300	<i>Staphylococcus aureus</i> [ATCC 6538]; 1 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon (30.37 mL + 937 mL diluent); Batch 18DEJ04; A25331	50632237	The Clorox Company (8/15/2018)	OWN	Non-food cncnt
810.2300	<i>Staphylococcus aureus</i> [ATCC 6538]; 1 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon (30.82 mL + 975.5 mL); Batch 18DEJ03; A25332	50632238	The Clorox Company (8/15/2018)	OWN	Non-food cncnt
810.2400	<i>Klebsiella pneumoniae</i> [ATCC 4352]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 69 L; A25437	50632239	The Clorox Company (8/15/2018)	OWN	Laundry; TL
810.2400	<i>Klebsiella pneumoniae</i> [ATCC 4352]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup + 30 L; A25416	50632240	The Clorox Company (8/15/2018)	OWN	Laundry; HE
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 69 L; A25438; Batch 18DEJ03	50632241	The Clorox Company (8/15/2018)	OWN	Laundry; TL

Signature	Name and Title	Date
J. Evelyn Lawson	J. Evelyn Lawson Federal Registration Specialist	10/16/19



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Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 69 L; Batch 18DEJ02; A25439	50632242	The Clorox Company (8/15/2018)	OWN	Laundry; TL
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 69 L; Batch 18DEJ04; A25440	50632243	The Clorox Company (8/15/2018)	OWN	Laundry; TL
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup + 30 L; Batch 18DEJ02; A25413	50632244	The Clorox Company (8/15/2018)	OWN	Laundry; HE
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup + 30 L; Batch 18DEJ04; A25415	50632246	The Clorox Company (8/15/2018)	OWN	Laundry; HE
810.2400	<i>Pseudomonas aeruginosa</i> [ATCC 15442]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup + 30 L; A25470	50632250	The Clorox Company (8/15/2018)	OWN	Laundry; HE
810.2200	<i>Legionella pneumophila</i> [ATCC 33153]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25580	50933901	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	<i>Streptococcus pyogenes</i> [ATCC 12344]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25589	50933902	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Canine Parvovirus [ATCC VR-2017; Strain Cornell-780916-80]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon; A25486	50933903	The Clorox Company (10/16/2019)	OWN	Use Dilution

Signature	J. Evelyn Lawson	Name and Title	J. Evelyn Lawson Federal Registration Specialist	Date	10/16/19
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401 M. Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date	October 16, 2019	EPA Reg. No./File Symbol	5813-120	Page 19 of 20	
Applicant's/Registrant's Name & Address	The Clorox Company c/o PS&RC; P.O. Box 493 Pleasanton, CA 94566-0803	Product	CRB		
Ingredient	Sodium hypochlorite (014703)				
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2200	Cytomegalovirus [ATCC VR-538] [Strain AD-169]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25490	50933904	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Duck hepatitis B Virus (Human hepatitis B surrogate) [Strain Grimaud]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-735	50933905	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Feline Panleukopenia Virus [(Feline Parvovirus)] [Strain Phillips-Roxane] [ATCC VR-648]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 1 gallon; A25487	50933906	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Human Immunodeficiency Virus Type 1 [Strain IIB]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-737	50933907	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Influenza Virus Type B [ATCC VR-823; Strain B/Hong Kong/5/72]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25570	50933908	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Parainfluenza Virus Type 3 [ATCC VR-93] [Strain C243]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; A25478	50933909	The Clorox Company (10/16/2019)	OWN	Use Dilution
810.2200	Rubella Virus [(German Measles Virus)] [Strain RA27/3, ATCC VR-1359]; 5 min 30 sec; 5% FBS; FIS2018.0136, FIS2018.0139; 1/3 cup + 1 gallon; 320-749	50933910	The Clorox Company (10/16/2019)	OWN	Use Dilution

Signature <i>J. Evelyn Lawson</i>	Name and Title J. Evelyn Lawson Federal Registration Specialist	Date 10/16/19
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DATA MATRIX

Date	October 16, 2019	EPA Reg. No./File Symbol	5813-120	Page 20 of 20	
Applicant's/Registrant's Name & Address		Product			
The Clorox Company c/o PS&RC; P.O. Box 493 Pleasanton, CA 94566-0803		CRB			
Ingredient Sodium hypochlorite (014703)					
Guideline Reference Number	Guideline Study Name	509339 Number	Submitter	Status	Note
810.2400	<i>Staphylococcus aureus</i> [ATCC 6538]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup + 30 L; Batch 18DEJ03; A25414 (amended)	50933911	The Clorox Company (10/16/2019)	OWN	Laundry; HE
810.2400	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) [ATCC 33591]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/2 cup + 69 L; A25433 (amended)	50933912	The Clorox Company (10/16/2019)	OWN	Laundry; HE
810.2400	Methicillin resistant <i>Staphylococcus aureus</i> (MRSA) [ATCC 33591]; 9 min; 5% FBS; FIS2018.0136, FIS2018.0139; 1/4 cup 30 L; A25434 (amended)	50933913	The Clorox Company (10/16/2019)	OWN	Laundry; HE
810.2600	<i>Raoultella terrigena</i> [ATCC 33257]; 25 min; A27706	50933914	The Clorox Company (10/16/2019)	OWN	Emerg. Drinking water
810.2600	Human Rotavirus, [ATCC VR-2018; Strain WA]; Poliovirus Type 1 [ATCC VR-1562; Strain Chat; 25 min; A27708	50933915	The Clorox Company (10/16/2019)	OWN	Emerg. Drinking water

Signature	Name and Title	Date
J. Evelyn Lawson	J. Evelyn Lawson Federal Registration Specialist	10/16/19